

AMENDMENTS TO THE CLAIMS

Please cancel claims 10, 11 and 19-28, and amend claim 9, as follows:

Claims 1-8 (Cancelled).

Claim 9 (Currently Amended) A thermoplastic resin composition comprising:

70-90 wt. % of an olefin polymer (1A) comprising olefins having 2 to 6 carbon atoms as main units ~~30-98 wt. % of a thermoplastic resin (1); and~~

10-30 ~~2-70~~ wt. % of a higher α -olefin polymer (3) comprising \geq ~~50~~ 80-100 mol % of an α -olefin having 10 or more carbon atoms,

wherein the higher α -olefin polymer (3) has a stereoregularity index M2 of $[[\geq]]$ ~~50-85~~ mol % and a single melting point (T_m) of 0°C to 100°C.

Claims 10 (Cancelled).

Claim 11 (Cancelled).

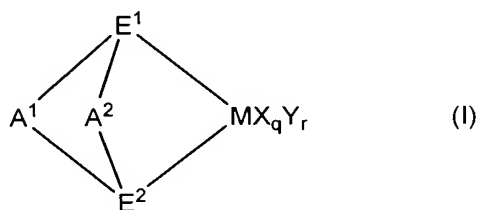
Claim 12 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) has an isotactic structure.

Claim 13 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) comprises 80-100 mol % of the α -olefin having 10-40 carbon atoms, wherein the higher α -olefin polymer (3) has a stereoregularity index M2 of 55-85 mol % and a single melting point (T_m) of 20-80°C.

Claim 14 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) comprises 90-100 mol % of the α -olefin having 10-26 carbon atoms, wherein the higher α -olefin polymer (3) has a stereoregularity index M2 of 55-75 mol % and a single melting point (T_m) of 25-55°C.

Claim 15 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) has a weight average molecular weight (M_w) of 1,000-10,000,000 and a GPC molecular weight distribution (M_w/M_n) of ≤ 4.0 .

Claim 16 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) is produced by a process comprising polymerizing the α -olefin having 10 or more carbon atoms in the presence of a polymerization catalyst comprising a transition metal compound (A) represented by the following general formula (I) and at least one component (B) selected from the group consisting of a compound (B-1) capable of reacting with the transition metal compound (A) or a derivative thereof to form an ionic complex, and an aluminoxane compound (B-2):



wherein

M is a metal atom selected from Groups 3-10 and the lanthanum series of the Periodic Table;

E^1 and E^2 are identical or different ligands each independently selected from the group consisting of a substituted cyclopentadienyl group, an indenyl group, a substituted indenyl group,

a heterocyclopentadienyl group, a substituted heterocyclopentadienyl group, an amide group, a phosphide group, a hydrocarbon group, and a silicon-containing group, wherein E¹ and E² form a structure cross-linked through A¹ and A²;

X is one or more σ -bonding ligands which may be identical or different, and may be cross-linked with another X, E¹, E² or Y;

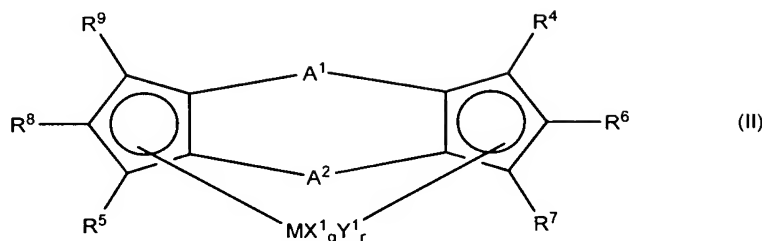
Y is one or more Lewis bases, which may be identical or different, and may be cross-linked with another Y, E¹, E² or X;

A¹ and A² are identical or different divalent cross-linking groups for linking the E¹ and E² ligands, and are each independently selected from the group consisting of a hydrocarbon group having 1 to 20 carbon atoms, a hydrocarbon group comprising a halogen and having 1 to 20 carbon atoms, a group comprising silicon, a group comprising germanium, a group comprising tin, -O-, -CO-, -S-, -SO₂-, -Se-, -NR¹-, -PR¹-, -P(O)R¹-, -BR¹-, and -AlR¹-, wherein R¹ represents a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 20 carbon atoms, and a hydrocarbon group comprising a halogen atom and having 1 to 20 carbon atoms;

q is an integer of 1-5 of [(valence of M)-2]; and

r is an integer of 0 to 3.

Claim 17 (Previously Presented) The thermoplastic resin composition according to claim 9, wherein the higher α -olefin polymer (3) is produced by a process comprising polymerizing the α -olefin having 10 or more carbon atoms in the presence of a polymerization catalyst comprising a transition metal compound (A) represented by the following general formula (II) and at least one component (B) selected from the group consisting of a compound (B-1) capable of reacting with the transition metal compound (A) or a derivative thereof to form an ionic complex, and an aluminoxane compound (B-2):



wherein

M is a metal atom selected from Groups 3-10 and the lanthanum series of the Periodic Table;

X¹ is one or more σ -bonding ligands which may be identical or different, and may be cross-linked with another X¹, Y¹ or a cyclopentadienyl ligand;

Y¹ is one or more Lewis bases, which may be identical or different, and may be cross-linked with another Y¹, X¹ or a cyclopentadienyl ligand;

A¹ and A² are identical or different divalent cross-linking groups for linking a cyclopentadienyl ligand, and are each independently selected from the group consisting of a hydrocarbon group having 1 to 20 carbon atoms, a hydrocarbon group comprising a halogen and having 1 to 20 carbon atoms, a group comprising silicon, a group comprising germanium, a group comprising tin, -O-, -CO-, -S-, -SO₂-, -Se-, -NR¹-, -PR¹-, -P(O)R¹-, -BR¹-, and -AlR¹-, wherein R¹ represents a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 20 carbon atoms, and a hydrocarbon group comprising a halogen atom and having 1 to 20 carbon atoms;

R⁴ to R⁹ are identical or different and are each independently selected from the group consisting of a hydrogen atom, a halogen atom, a hydrocarbon group having 1 to 20 carbon atoms, a hydrocarbon group comprising a halogen atom and having 1 to 2 carbon atoms, a group comprising silicon, and a group comprising a heteroatom, with the proviso that at least one of R⁴ to R⁹ is not a hydrogen atom;

q is an integer of 1-5 of [(valence of M)-2]; and

r is an integer of 0 to 3.

Claim 18 (Previously Presented) A molded article, sheet or film comprising the thermoplastic resin composition according to claim 9.

Claims 19-28 (Cancelled).